

Primary® NXT - P23 QS

3" Aperture Recessed Family



Primary NXT provides consistent, high quality white light in an economical architectural solution.

The QuickShip selections available in this fixture can ship within 10 days of receiving a clean order. Please clearly mark "Quick Ship" on your purchase order for fastest processing.

BeveLED Mini Round Trimmed Downlight



BeveLED Mini Square Trimmed Downlight



BeveLED Mini Round Trimmed Wall Wash



BeveLED Mini Square Trimmed Wall Wash



BeveLED Mini Round Trimless Downlight



BeveLED Mini Square Trimless Downlight



BeveLED Mini Round Trimless Wall Wash



BeveLED Mini Square Trimless Wall Wash



usalighting.com/beveledMiniprimarynxtQS

FEATURES

- A complete range of color temperature options in 90+ CRI
- Downlight, adjustable and wallwash configurations
- Choose from flanged trims or flangeless Mini for spackle-in installation in white finish
- Dry/damp/wet location rated for bathrooms and showers
- Dimmable to 1%
- High LED performance with budget-conscious features



PRIMARY NXT PERFORMANCE

see page 4
for details

Classic White

	15W
Source Lumens:	1325
Delivered Lumens:	650 - 1175

*Based on 3000, 90+ CRI



HOW TO SPECIFY

Primary® NXT - P23U QS 3" Downlight and Wall Wash



STEP 1. Specify housing type for downlight and/or wall wash

P23U	15M		UNV	D22	HSG	QS
Product	Wattage	Housing Type	Voltage	Dimming Driver	Housing	Quick Ship
P23U Primary NXT universal housing - for use with 3" downlight and/or wall wash trims, round and square	15M for 15W L2M Classic White light engine	NCEC Economical new construction tray NCIC Insulation-contact rated, airtight	UNV 120V - 277V	D22 ERP 0-10V, Forward and Reverse Phase Trimmode dimming driver, dims to 1% (provided standard) Note: Phase dimming option only available when using 120V only power	HSG Rough-in housing	QS Quick Ship

STEP 2. Specify trim and module type for downlight or wall wash

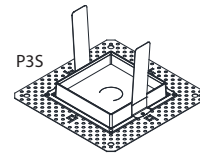
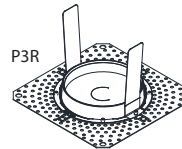
	L2M			WH	TRM	QS
Product	LED Light Engine	Color Temperature	Lens	Finish	Trim	Quick Ship
P3RDF 3" BeveLED Mini round aperture downlight (1) P3SDF 3" BeveLED Mini square aperture downlight (1) P3RWF 3" BeveLED Mini round aperture wall wash P3SWF 3" BeveLED Mini square aperture wall wash P3RDL 3" BeveLED Mini round aperture downlight, Flangeless (1, 2) P3SDL 3" BeveLED Mini square aperture downlight, Flangeless (1, 2) P3RWL 3" BeveLED Mini round aperture wall wash, Flangeless (2) P3SWL 3" BeveLED Mini square aperture wall wash, Flangeless (2)	Classic White L2M Classic White LED	27KH 2700K, 90+ CRI 30KH 3000K, 90+ CRI	S Solite Glass (provided standard with downlights) D1 Wall Wash Diffusion (provided standard with wallwashers)	WH White	TRM Trim and LED Module Assembly	QS Quick Ship
<p>Notes:</p> <ol style="list-style-type: none"> Downlight trims ship with 50° wide beam reflector installed; field replaceable 30° medium beam optic included with trim for field changes. All flangeless trims require a spackle frame mounting accessory kit for complete installation. Use table below to specify in your order 						

STEP 3. Specify mounting accessories (optional)

		QS
Butterfly Brackets Optional	Channel Bars Optional*	Quick Ship
PFBK Pair of butterfly brackets for vertical adjustment of Primary NXT housings (2)	CB27 27" Channel Bar CB32 32" Channel Bar CB52 52" Channel Bar * Housing ships with integral nailer bars provided standard. The PFBK and CB mounting accessories are required for grid ceiling applications. Leave CB column blank to order butterfly brackets without channel bar accessories	QS Quick Ship

STEP 4. Specify Spackle Frame Accessory Kits (required for all flangeless spackle-in trim installations)

P3R-SPAK-QS
BeveLED Mini Round spackle frame accessory for flangeless install, downlight and wall wash trims
P3S-SPAK-QS
BeveLED Mini Square spackle frame accessory for flangeless install, downlight and wall wash trims



HOW TO SPECIFY

Primary® NXT - P23A QS

3" Adjustable Downlight



STEP 1. Specify housing type and LED module for adjustable downlight

	15L2M		NCAIC	UNV	D22	HSG	QS
Product	LED Light Engine & Wattage	Color Temperature	Housing Type	Voltage	Dimming Driver	Housing	Quick Ship
P3RA 3" BeveLED Mini round aperture adjustable	Classic White 15L2M 15W LED	27KH 2700K, 90+ CRI 30KH 3000K, 90+ CRI	NCAIC Insulation-contact rated, airtight Adjustable (1)	UNV 120V - 277V	D22 ERP 0-10V, Forward and Reverse Phase Trimode dimming dims to 1% (provided standard) Note: Phase dimming option only available when using 120V only power	HSG Rough-in housing	QS Quick ship
P3SA 3" BeveLED Mini square aperture adjustable							

Note:
1. Adjustable fixtures ship with 27° TIR optic installed

STEP 2. Specify trim style for adjustable downlight

	S	WH	TRM	QS
Product	Lens	Finish	Trim	Quick Ship
P3RAF 3" BeveLED Mini round aperture adjustable	S Solite Glass (provided standard)	WH White	TRM Trim and LED Module Assembly	QS Quick Ship
P3SAF 3" BeveLED Mini square aperture adjustable				
P3RAL 3" BeveLED Mini round aperture adjustable, Flangeless (3)				
P3SAL 3" BeveLED Mini square aperture adjustable Flangeless (3)				

Notes:
1. Adjustable fixtures ship with 27° TIR beam optic installed. For other beam options and accessories, specify from accessories tables on non-Quick Ship spec sheets.
2. Accessory holder is provided with optional accessory lenses. There is not an accessory holder provided with fixture. See full spec sheet for ordering information.
3. All flangeless trims require a spackle frame mounting accessory kit for complete installation. Use table below to specify in your order

STEP 3. Specify mounting accessories (optional)

		QS
Butterfly Brackets Optional	Channel Bars Optional*	Quick Ship
PFBK Pair of butterfly brackets for vertical adjustment of Primary NXT housings (2)	CB27 27" Channel Bar	QS Quick Ship
	CB32 32" Channel Bar	
	CB52 52" Channel Bar	
* Housing ships with integral nailer bars provided standard. The PFBK and CB mounting accessories are required for grid ceiling applications. Leave CB column blank to order butterfly brackets without channel bar accessories		

STEP 4. Specify Spackle Frame Accessory Kits (required for all flangeless spackle-in trim installations)

P3RA-SPAK-QS
BeveLED Mini Round spackle frame accessory for flangeless install, adjustable trims

P3SA-SPAK-QS
BeveLED Mini Square spackle frame accessory for flangeless install, adjustable trims



Primary® NXT - P23 QS

3" Aperture Recessed Family



DELIVERED PERFORMANCE

We offer an extremely wide range of wattages, color temperatures, LED color technologies, and beamspreads for this product line. Please refer to tables below and IES files available at usailighting.com for exact performance values for the product configuration you choose to specify. All values are reported at 3000K, 90+ CRI, with solite glass lens and white trim finish. Use multipliers below to calculate output with other color temperatures, CRIs, finishes and lenses.

BeveLED Mini Primary NXT

Round Performance		Classic White
Beamspread Options		15W LED 15L2M
N Adjustable Narrow beam 27° optic Solite lens	Lumens	1070 lms
	Im/W	78 Im/W
	Intensity (cd)	4376 cd
	UGR	< 1 UGR
M Downlight Medium beam 30° reflector Solite lens	Lumens	1075 lms
	Im/W	78 Im/W
	Intensity (cd)	1860 cd
	UGR	12 UGR
W Downlight Wide beam 50° reflector Solite lens	Lumens	1028 lms
	Im/W	65 Im/W
	Intensity (cd)	1643 cd
	UGR	4 UGR
WW Wallwash optic D1 diffusion lens	Lumens	645 lms
	Im/W	47 Im/W
	Intensity (cd)	579 cd

Square Performance		Classic White
Beamspread Options		15W LED 15L2M
N Adjustable Narrow beam 27° optic Solite lens	Lumens	1146 lms
	Im/W	82 Im/W
	Intensity (cd)	4434 cd
	UGR	< 1 UGR
M Downlight Medium beam 30° reflector Solite lens	Lumens	1161 lms
	Im/W	83 Im/W
	Intensity (cd)	3127 cd
	UGR	10 UGR
W Downlight Wide beam 50° reflector Solite lens	Lumens	1169 lms
	Im/W	84 Im/W
	Intensity (cd)	1731 cd
	UGR	10 UGR
WW Wallwash optic D1 diffusion lens	Lumens	818 lms
	Im/W	59 Im/W
	Intensity (cd)	718 cd

CORRELATED COLOR TEMPERATURE MULTIPLIER	Classic White	
	2700K	3000K
Color Rendering Index:	90+	90+
Multiplier for Lumen Output:	0.96	1.00

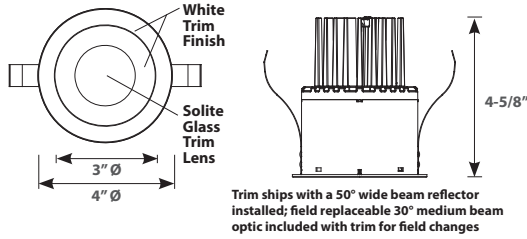
Primary® NXT - P23 QS

3" Aperture Trims

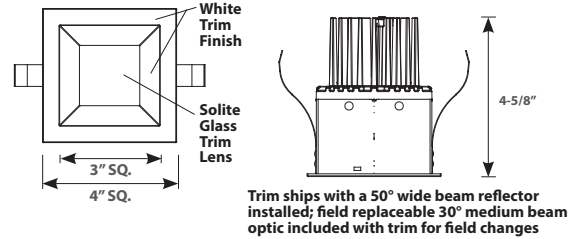


Trim Details for BeveLED Mini Primary NXT

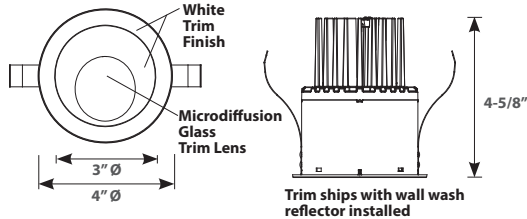
P3RDF ROUND DOWNLIGHT - FLANGED



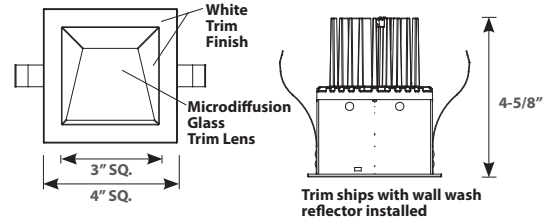
P3SDF SQUARE DOWNLIGHT - FLANGED



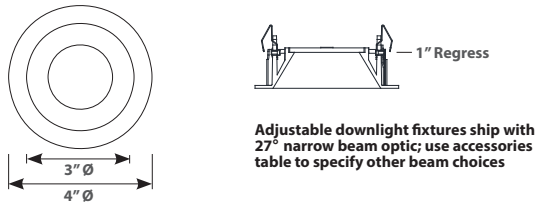
P3RWF ROUND WALL WASH - FLANGED



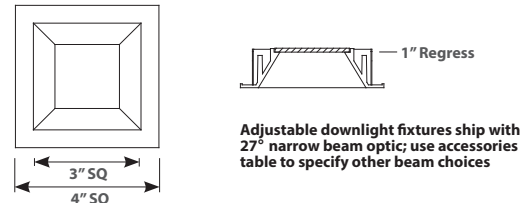
P3SWF SQUARE WALL WASH - FLANGED



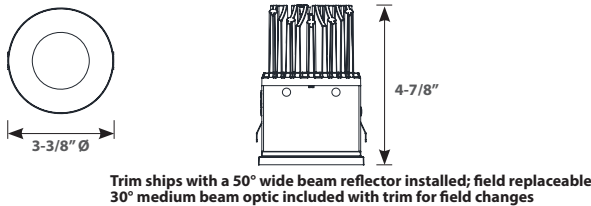
P3RAF ROUND ADJUSTABLE - FLANGED



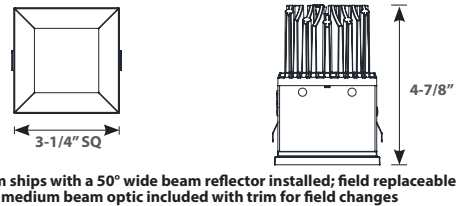
P3SAF SQUARE ADJUSTABLE - FLANGED



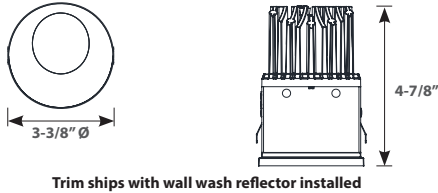
P3RDL ROUND DOWNLIGHT - TRIMLESS



P3SDL SQUARE DOWNLIGHT - TRIMLESS



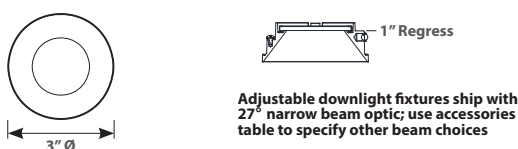
P3RWL ROUND WALL WASH - TRIMLESS



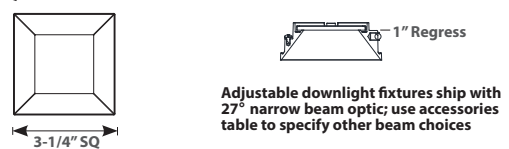
P3SWL SQUARE WALL WASH - TRIMLESS



P3RAL ROUND ADJUSTABLE - TRIMLESS



P3SAL SQUARE ADJUSTABLE - TRIMLESS

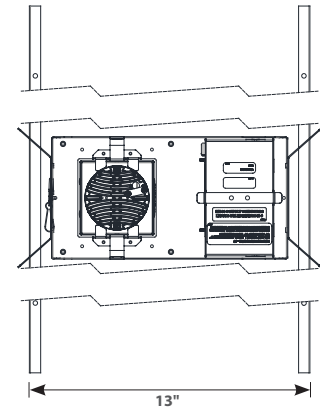
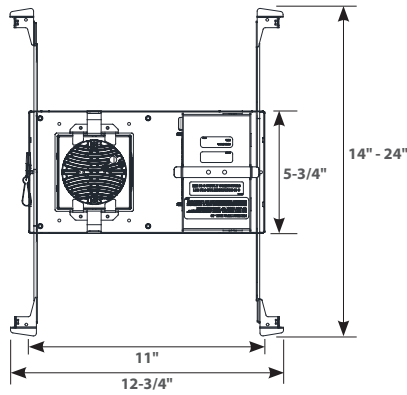
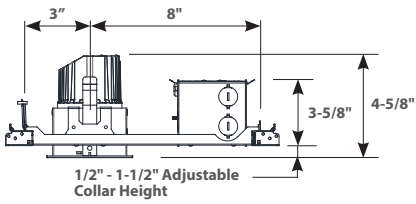


Primary® NXT - P23 QS 3" Aperture Housings

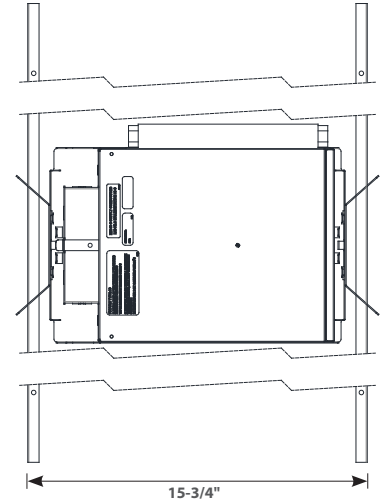
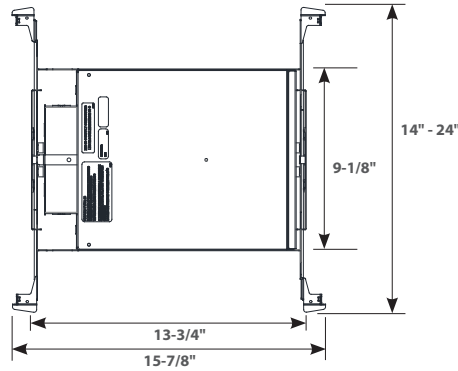
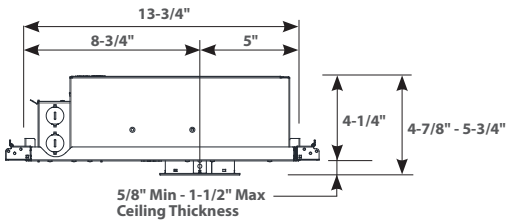


Housing Details

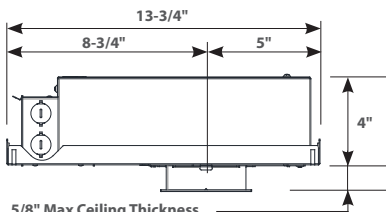
Economy Tray - NCEC for Downlight and Wall Wash only



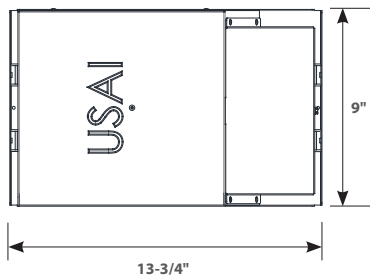
Insulation Contact Rated - NCIC for Downlight and Wall Wash only



Insulation Contact Rated Adjustable - NCAIC for Adjustable only



5/8" Max Ceiling Thickness
To accommodate thicker ceilings, order collar extender from accessories table on standard spec sheet



Shown with Butterfly Bracket and Channel Bar Kit PFBK-CB27 (optional)

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10 Days Quick Ship

USAI[®]
Lighting

Primary NXT Specifications

FIELD REPLACEABLE LED LIGHT ENGINE

is serviceable through the aperture with a Phillips screwdriver.

COLOR

All USAI Lighting Classic White LED light engines are tightly binned for industry-leading fixture-to-fixture color consistency within a 2-Step MacAdam Ellipse.

TRIM

P3 series flanged trims are a 3" round or square aperture with a 1" regressed die cast aluminum bevel and 1/2" flange, powdercoat painted white retained by two mounting clips. P3 series flangeless trims are a 3" round or square aperture with a 1" regressed die cast aluminum bevel powdercoat painted white and require a spackle frame accessory (specified separately) for installation.

TRIM LENS

Downlight and adjustable trims are shipped with solite glass lens, and wall wash trim is shipped with integral microdiffusion glass lens.

ADJUSTMENT

Adjustable fixtures are provided with an adjustable optical assembly that can be rotated 362 degrees and tilted to aim up to 45 degrees maximum.

REFLECTOR

Downlight trim is shipped with 50° wide beam reflector installed in trim, and is also provided with interchangeable 30° medium beam reflector for field changes. Wall wash trim is shipped with wall wash optic installed. Adjustable downlight fixtures ship with 27° narrow beam optic.

FIELD REPLACEABLE DRIVER

Solid state electronic constant current phase or 0-10V dimming driver with a high power factor provided standard. Trimode Dimming driver can be connected to 0-10V low voltage wiring for dimming control at any voltage from 120V-277V, or can be used as a forward or reverse phase dimming driver when powered with 120V only power. See wiring diagrams for details. Dimming driver is located within the light fixture housing and can be serviced from below the ceiling through the aperture. Driver complies with IEEE C62.41 surge protection. Some on-time delay may be experienced depending on control system used.

HOUSING

Primary NXT P23U housings are universal and can accept any trim listed in the ordering table, whether round or square, downlight or wallwash, 3" or 1.75" apertures; simply punch out tabs during installation to configure the housing to work with the specific trim specified. Adjustable fixture housings need to be specified to accept either round or square trims. NCEC housing is fabricated of black electrocoated 20 ga. steel with 18 ga. steel J-box. NCIC and NCAIC housings are airtight and are rated for direct contact with insulation.

MOUNTING

Adjustable nailer bars with integral nails provided standard with each housing. Nailer bars are extendible from 14" to 24" centers. Butterfly brackets are optionally available and can be used with the nailer bars provided to enable vertical adjustment during installation. Channel bars are available in 27", 32", and 52" lengths as an add-on accessory for use in grid ceiling systems, and these must be ordered as a kit with butterfly brackets included because they cannot be used without them.

FIXTURE WEIGHT

NCEC housing weighs 5 lbs. NCIC and NCAIC housings weigh 7 lbs.

WARRANTY

USAI limited warranty covers replacement parts for 5 years from date of shipment.

RATED LIFE

Based on IESNA LM80-2008 50,000 hours at 70% lumen maintenance (L70).

CEILING CUT OUT

P3RDF, P3RWF, and P3RAF Round: 3-5/8" Ø

P3SDF and P3SWF Square: 3-5/8" x 3-5/8"

P3SAF Square: 3-1/2" x 3-1/2"

P3RDL, P3RWL, and P3RAL Round: 4-3/16" Ø

P3SDL, P3SWL, and P3SAL Square: 4-1/16" x 4-1/16"

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3" Aperture Recessed Family



10 Days Quick Ship

USAI[®]
Lighting

Primary NXT Specifications

GUIDELINES FOR FIELD PAINTING OF TRIMS

We strongly recommend that custom paint color be applied by the factory during manufacturing or the "PR" primer option be chosen for field painting. If these options are not chosen, the following guidelines must be followed. Please note that this will void the 1-year finish warranty.

1. Paint Selection:

- Choose paint that is suitable for the application and location of the trim.
- Trims are tested to not exceed an operating temperature of 90°C, with a typical operating temperature of approximately 50°C. The paint chosen must be suitable for continuous operating temperature of 50°C
- Paint must be supplied and furnished by the customer.

2. Surface Preparation: Prepare the trim surfaces according to the paint manufacturer's instructions.

3. Application Instructions:

- Apply paint only to the trim casting.
- Do not apply paint to glass, mounting clips, or any other components.

Important : Any disassembly or modification to the trim will void the trim warranty and may create unsafe operating conditions.

LISTINGS

Dry/Damp/Wet listed under covered ceilings only. UL2043 rated for use in air handling plenums. NCIC and NCAIC housings are Airtight. NRTL/CSA-US tested to UL standards. Rated for use in steam rooms and saunas, up to 15W maximum.



NOTES

- Not for use in corrosive environment
- Use of pressure washer voids warranty

PHOTOMETRICS

Consult factory or website for IES files. Tested in accordance with IESNA LM79.